

FILE 'HOME' ENTERED AT 09:30:58 ON 09 DEC 2008

=> fil .bec  
COST IN U.S. DOLLARS

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.63	0.63

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCPLUS, NTIS,  
ESBIOBASE, BIOTECHNO, WPI&S' ENTERED AT 09:32:46 ON 09 DEC 2008  
ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR DETAILS.

## 11 FILES IN THE FILE LIST

=> s xylanase?(10a) (thermophil? or hyperthermo? or thermotol? or thermostab?)  
FILE 'MEDLINE'

FILE MEDLINE  
2135 XYLANASE?  
11292 THERMOPHIL?  
2738 HYPERTHERMO?  
2363 THERMOTOL?  
7943 THERMOSTAB?  
L1 228 XYLANASE?(10  
MOSTAB?)

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FILE 'SCISEARCH'
      4817 XYLANASE?
      18911 THERMOPHIL?
      3726 HYPERTHERMO?
      4260 THERMOTOL?
      11335 THERMOSTAB?
L2      497 XYLANASE?(10A) (THERMOPHIL? OR HYPERTHERMO? OR THERMOTOL? OR THER-
          MOSTAB?)
```

FILE 'LIFESCI'  
 2306 XYLANASE?  
 10538 THERMOPHIL?  
 1990 HYPERTHERMO?  
 1514 THERMOTOL?  
 5018 THERMOSTAB?  
L3 304 XYLANASE?(10A) (THERMOPHIL? OR HYPERTHERMO? OR THERMOTOL? OR THER-  
 MOSTAB?)

FILE 'BIOTECHDHS'  
2913 XYLANASE?  
6340 THERMOPHIL?  
527 HYPERTHERMO?  
539 THERMOTOL?  
7492 THERMOSTAB?  
L4 390 XYLANASE?(10A) (THERMOPHIL? OR HYPERTHERMO? OR THERMOTOL? OR THER-  
MOSTAB?)

FILE 'BIOSIS'  
 5090 XYLANASE?  
 25359 THERMOPHIL?  
 3225 HYPERTHERMO?  
 4034 THERMOTOL?  
 13536 THERMOSTAB?  
L5 449 XYLANASE?(10A) (THERMOPHIL? OR HYPERTHERMO? OR THERMOTOL? OR THER-  
 MOSTAB?)

#### FILE "EMBASE"

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    2028 XYLANASE?
11487 THERMOPHIL?
2457 HYPERTHERMO?
2010 THERMOTOL?
16024 THERMOSTAB?
L6      296 XYLANASE?(10A) (THERMOPHIL? OR HYPERTHERMO? OR THERMOTOL? OR THER-
          MOSTAB?)

FILE 'HCAPLUS'
    8813 XYLANASE?
    24182 THERMOPHIL?
    3560 HYPERTHERMO?
    3228 THERMOTOL?
    23435 THERMOSTAB?
L7      730 XYLANASE?(10A) (THERMOPHIL? OR HYPERTHERMO? OR THERMOTOL? OR THER-
          MOSTAB?)

FILE 'NTIS'
    51 XYLANASE?
    500 THERMOPHIL?
    33 HYPERTHERMO?
    45 THERMOTOL?
    201 THERMOSTAB?
L8      7 XYLANASE?(10A) (THERMOPHIL? OR HYPERTHERMO? OR THERMOTOL? OR THER-
          MOSTAB?)

FILE 'ESBIOBASE'
    2261 XYLANASE?
    8032 THERMOPHIL?
    2413 HYPERTHERMO?
    1625 THERMOTOL?
    4910 THERMOSTAB?
L9      299 XYLANASE?(10A) (THERMOPHIL? OR HYPERTHERMO? OR THERMOTOL? OR THER-
          MOSTAB?)

FILE 'BIOTECHNO'
    1496 XYLANASE?
    6914 THERMOPHIL?
    1350 HYPERTHERMO?
    1034 THERMOTOL?
    6565 THERMOSTAB?
L10     215 XYLANASE?(10A) (THERMOPHIL? OR HYPERTHERMO? OR THERMOTOL? OR THER-
          MOSTAB?)

FILE 'WPIDS'
    1463 XYLANASE?
    3310 THERMOPHIL?
    160 HYPERTHERMO?
    221 THERMOTOL?
    6228 THERMOSTAB?
L11     50 XYLANASE?(10A) (THERMOPHIL? OR HYPERTHERMO? OR THERMOTOL? OR THER-
          MOSTAB?)

TOTAL FOR ALL FILES
L12     3465 XYLANASE?(10A) (THERMOPHIL? OR HYPERTHERMO? OR THERMOTOL? OR THER-
          MOSTAB?)

=> s xylanase?(10a)alkali?
FILE 'MEDLINE'
    2135 XYLANASE?
    107927 ALKALI?
L13     80 XYLANASE?(10A)ALKALI?

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FILE 'SCISEARCH'  
      4817 XYLANASE?  
      167036 ALKALI?  
L14      203 XYLANASE?(10A)ALKALI?

FILE 'LIFESCI'  
      2306 XYLANASE?  
      28149 ALKALI?  
L15      127 XYLANASE?(10A)ALKALI?

FILE 'BIOTECHDS'  
      2913 XYLANASE?  
      10597 ALKALI?  
L16      169 XYLANASE?(10A)ALKALI?

FILE 'BIOSIS'  
      5090 XYLANASE?  
      151124 ALKALI?  
L17      173 XYLANASE?(10A)ALKALI?

FILE 'EMBASE'  
      2028 XYLANASE?  
      93130 ALKALI?  
L18      109 XYLANASE?(10A)ALKALI?

FILE 'HCAPLUS'  
      8813 XYLANASE?  
      596189 ALKALI?  
      444012 ALK  
      26281 ALKY  
      897361 ALKALI?  
      (ALKALI? OR ALK OR ALKY)  
L19      388 XYLANASE?(10A)ALKALI?

FILE 'NTIS'  
      51 XYLANASE?  
      13250 ALKALI?  
L20      2 XYLANASE?(10A)ALKALI?

FILE 'ESBIOBASE'  
      2261 XYLANASE?  
      32350 ALKALI?  
L21      141 XYLANASE?(10A)ALKALI?

FILE 'BIOTECHNO'  
      1496 XYLANASE?  
      21300 ALKALI?  
L22      83 XYLANASE?(10A)ALKALI?

FILE 'WPIDS'  
      1463 XYLANASE?  
      321560 ALKALI?  
L23      79 XYLANASE?(10A)ALKALI?

TOTAL FOR ALL FILES  
L24      1554 XYLANASE?(10A) ALKALI?

=> s l12 and l24  
FILE 'MEDLINE'  
L25      23 L1 AND L13

FILE 'SCISEARCH'  
L26 69 L2 AND L14

FILE 'LIFESCI'  
L27 36 L3 AND L15

FILE 'BIOTECHDHS'  
L28 46 L4 AND L16

FILE 'BIOSIS'  
L29 48 L5 AND L17

FILE 'EMBASE'  
L30 33 L6 AND L18

FILE 'HCAPLUS'  
L31 89 L7 AND L19

FILE 'NTIS'  
L32 0 L8 AND L20

FILE 'ESBIOBASE'  
L33 47 L9 AND L21

FILE 'BIOTECHNO'  
L34 25 L10 AND L22

FILE 'WPIDS'  
L35 6 L11 AND L23

TOTAL FOR ALL FILES  
L36 422 L12 AND L24

=> s 136 not 2004-2008/PY  
FILE 'MEDLINE'  
3254962 2004-2008/PY  
(20040000-20089999/PY)  
L37 13 L25 NOT 2004-2008/PY

FILE 'SCISEARCH'  
6074569 2004-2008/PY  
(20040000-20089999/PY)  
L38 42 L26 NOT 2004-2008/PY

FILE 'LIFESCI'  
776856 2004-2008/PY  
L39 21 L27 NOT 2004-2008/PY

FILE 'BIOTECHDHS'  
119822 2004-2008/PY  
L40 33 L28 NOT 2004-2008/PY

FILE 'BIOSIS'  
2845241 2004-2008/PY  
L41 28 L29 NOT 2004-2008/PY

FILE 'EMBASE'  
2810797 2004-2008/PY  
L42 18 L30 NOT 2004-2008/PY

FILE 'HCAPLUS'  
6593747 2004-2008/PY

L43 51 L31 NOT 2004-2008/PY

FILE 'NTIS'  
81634 2004-2008/PY  
L44 0 L32 NOT 2004-2008/PY

FILE 'ESBIOBASE'  
1609791 2004-2008/PY  
I-45 27 I-33 NOT 2004-2008/PY

FILE 'BIOTECHNO'  
586 2004-2008/PY  
146 25 124 NOT 2004-2008 (PY)

FILE 'WPIDS'  
5682064 2004-2008/PY

TOTAL FOR ALL FILES

=> dup rem 148  
PROCESSING COMPLETED FOR L48  
L48 89 DUP REM 148 (172 DUPLICATES REMOVED)

$\Rightarrow d_{tot}$

L49 ANSWER 1 OF 89 Elsevier BIOBASE COPYRIGHT 2008 Elsevier Science B.V. on  
STN

AN SIN 2008108664 ESRIBASE

AN 200016664 ESB100000  
TI Molecular characterization of multiple xylanase producing thermophilic/thermotolerant fungi isolated from *Acacia* stems

Sharma M., Ghoshal P. S., Kaur M., Chatterjee S. K., Saini H. S.

AU Sharma M.; Chadha B.S.; Kaur M.; Ghatora S.K.; Saini H.S.  
CS B. S. Chadha, Department of Microbiology, Guru Nanak Dev University,  
Amritsar, Punjab, India

E-mail: [chadhab@yahoo.com](mailto:chadhab@yahoo.com)

E-mail: [chaudharyst@yahoo.com](mailto:chaudharyst@yahoo.com)  
SO Letters in Applied Microbiology, (2008), 46/5 (526-535), 32 reference(s)  
CODEN: LAMIE7 ISSN: 0266-8254 E-ISSN: 1472-765X

EDEN: LARME. ISSN: 0268-0254 E-ISSN: 1472-768X  
Journal Article

United Kingdom

England

EN English  
SL English

— 3 —

## L49 ANSWER 2

STN

## TI Thermostats

the properties required for use in pulp bleaching bioprocesses: a review  
SO PROCESS BIOCHEMISTRY, (30 APR 2003) Vol. 38, No. 9, pp. 1327-1340.

ISSN: 0032-9592.  
AU Techapun C; Poosaran N; Watanabe M; Sasaki K (Reprint)  
AN 2003-543080 SCISEARCH

ANNUAL REPORT OF THE BOARD OF EDUCATION

L49 ANSWER 3 OF 89 SCISEA

Production of xylanases from rice bran by *Streptomyces actuosus* A-151  
ENZYME AND MICROBIAL TECHNOLOGY, (2 DEC 2003) Vol. 33, No. 7, pp. 917-925

AU Wang S L (Reprint); Yen Y H; Shih I L; Chang A C; Chang W T; Wu W C; Chai ISSN: 0141-0229.

AN 2003:1069584 SCISEARCH

10. The following table shows the number of hours worked by 1000 employees in a company.

- L49 ANSWER 4 OF 89 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN  
TI Characterization of a family 11 xylanase from *Bacillus subtilis* B230 used  
for paper bleaching.
- SO Acta Crystallographica Section D Biological Crystallography, (April 2003)  
Vol. 59, No. 4, pp. 627-636. print.  
ISSN: 0907-4449.
- AU Oakley, Aaron J.; Heinrich, Tatjana; Thompson, Colin A.; Wilce, Matthew C.  
J. [Reprint Author]  
AN 2003:253581 BIOSIS
- L49 ANSWER 5 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on  
STN  
TI Effect of *Bacillus circulans* D1 thermostable xylanase  
on biobleaching of eucalyptus kraft pulp
- SO APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, (SPR 2003) Vol. 105, pp. 393-401.  
ISSN: 0273-2289.
- AU Bocchini D A; Damiano V B; Gomes E; Da Silva A (Reprint)  
AN 2003:398916 SCISEARCH
- L49 ANSWER 6 OF 89 HCPLUS COPYRIGHT 2008 ACS on STN  
TI Application of thermotolerant and alkaline-tolerant  
xylanase produced from agricultural wastes for pulp bleaching  
process and reductions of amounts of chlorine compounds in wastewater
- SO Mizu Shori Gijutsu (2003), 44(6), 271-278  
CODEN: MSYGA0; ISSN: 0026-7015
- AU Sasaki, Ken; Techapun, Charin; Poosaran, Niyatrat  
AN 2003:487363 HCPLUS  
DN 139:135090
- L49 ANSWER 7 OF 89 HCPLUS COPYRIGHT 2008 ACS on STN  
TI Advances in alkaline and thermophilic  
xylanases
- SO Zhongguo Shengwu Gongcheng Zazhi (2003), 23(7), 72-75, 88  
CODEN: ZSGZAW; ISSN: 1671-8135
- AU Xie, Fuhong; Li, Wenpeng; Zhang, Keqin  
AN 2004:313894 HCPLUS  
DN 141:67100
- L49 ANSWER 8 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on  
STN  
DUPLICATE 2  
TI Overproduction of an alkali- and thermo-stable xylanase  
in tobacco chloroplasts and efficient recovery of the enzyme
- SO MOLECULAR BREEDING, (JAN 2003) Vol. 11, No. 1, pp. 59-67.  
ISSN: 1380-3743.
- AU Leelavathi S; Gupta N; Maiti S; Ghosh A; Reddy V S (Reprint)  
AN 2003:142329 SCISEARCH
- L49 ANSWER 9 OF 89 BIOTECHDS COPYRIGHT 2008 THOMSON REUTERS on STN  
TI Bleaching of chemical pulp involves, exposing chemical pulp to acidic  
bleaching stage to produce partially bleached pulp and treating with  
thermophilic, alkalophilic xylanase in alkaline  
extraction stage at preset condition;  
pulp bleaching using recombinant enzyme
- AU TOLAN J; POPOVICI C; FOODY P J  
AN 2003-01501 BIOTECHDS  
PI WO 2002052100 4 Jul 2002
- L49 ANSWER 10 OF 89 BIOTECHDS COPYRIGHT 2008 THOMSON REUTERS on STN  
TI Novel xylanase activity protein, useful in bleaching process of pulp and  
in food and animal feed industry, has enhanced thermostability and  
alkalophilicity;

- recombinant enzyme production via plasmid expression useful for animal feedstuff
- AU BENTZIEN J; DAHIYAT B  
AN 2003-01486 BIOTECHD5  
PI WO 2002038746 16 May 2002
- L49 ANSWER 11 OF 89 MEDLINE on STN DUPLICATE 3  
TI Thermostable and alkaline-tolerant cellulase-free  
xylanase produced by thermotolerant *Streptomyces* sp.  
Ab106.
- SO Journal of bioscience and bioengineering, (2002) Vol. 93, No. 4, pp.  
431-3.  
Journal code: 100888800. ISSN: 1389-1723.
- AU Techapun Charin; Charoenrat Thanakorn; Poosaran Naiyatat; Watanabe  
Masanori; Sasak Ken  
AN 2005557533 MEDLINE
- L49 ANSWER 12 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on  
STN  
TI Employing chimeric xylanases to identify regions of an  
alkaline xylanase participating in enzyme activity at  
basic pH
- SO JOURNAL OF BIOSCIENCE AND BIOENGINEERING, (NOV 2002) Vol. 94, No. 5, pp.  
395-400.  
ISSN: 1389-1723.
- AU Nishimoto M; Kitacka M (Reprint); Hayashi K  
AN 2003:96848 SCISEARCH
- L49 ANSWER 13 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on  
STN  
TI Enzymatic properties of a neutral endo-1,3(4)-beta-xylanase Xyl II from  
*Bacillus subtilis*  
SO JOURNAL OF BIOTECHNOLOGY, (11 APR 2002) Vol. 94, No. 3, pp. 265-275.  
ISSN: 0168-1656.
- AU Sa-Pereira P (Reprint); Costa-Ferreira M; Aires-Barros M R  
AN 2002:276532 SCISEARCH
- L49 ANSWER 14 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on  
STN DUPLICATE 4  
TI Cellulase-free thermostable alkaline xylanase  
from thermophilic and alkalophilic *Bacillus* sp JB-99
- SO JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY, (FEB 2002) Vol. 12, No. 1, pp.  
153-156.  
ISSN: 1017-7825.
- AU Johnvesly B; Virupakshi S; Patil G N; Ramalingam; Naik G R (Reprint)  
AN 2002:241601 SCISEARCH
- L49 ANSWER 15 OF 89 MEDLINE on STN DUPLICATE 5  
TI Engineering of multiple arginines into the Ser/Thr surface of *Trichoderma*  
*reesei* endo-1,4-beta-xylanase II increases the  
thermotolerance and shifts the pH optimum towards alkaline  
pH.
- SO Protein engineering, (2002 Feb) Vol. 15, No. 2, pp. 141-5.  
Journal code: 8801484. ISSN: 0269-2139.
- AU Turunen Ossi; Vuorio Mika; Fenel Fred; Leisola Matti  
AN 2002184634 MEDLINE
- L49 ANSWER 16 OF 89 MEDLINE on STN DUPLICATE 6  
TI The endoxylanases from family 11: computer analysis of protein sequences  
reveals important structural and phylogenetic relationships.
- SO Journal of biotechnology, (2002 May 9) Vol. 95, No. 2, pp. 109-31.  
Journal code: 8411927. ISSN: 0168-1656.

- AU Sapag Amalia; Wouters Johan; Lambert Christophe; de Ioannes Pablo;  
Eyzaguirre Jaime; Depiereux Eric  
AN 2002179500 MEDLINE
- L49 ANSWER 17 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on STN DUPLICATE 7  
TI Optimization of thermostable and alkaline-tolerant cellulase-free xylanase production from agricultural waste by thermotolerant *Streptomyces* sp Ab106, using the central composite experimental design  
SO BIOCHEMICAL ENGINEERING JOURNAL, (NOV 2002) Vol. 12, No. 2, pp. 99-105.  
ISSN: 1369-703X.
- AU Techapun C; Charoenrat T; Watanabe M; Sasaki K (Reprint); Poosaran N  
AN 2002:870007 SCISEARCH
- L49 ANSWER 18 OF 89 HCAPLUS COPYRIGHT 2008 ACS on STN  
TI Computer directed High-Throughput Screening for improved enzymatic catalysis: Towards the rationale design of a thermostable, alkaliphilic xylanase  
SO Abstracts of Papers, 223rd ACS National Meeting, Orlando, FL, United States, April 7-11, 2002 (2002), CELL-092 Publisher: American Chemical Society, Washington, D. C.  
CODEN: 69CKQP  
AU Bentzien, Jorg; Hayes, Robert; Muchhal, Umesh; O'Keefe, Donald; Dahiyat, Bassil  
AN 2002:186502 HCAPLUS
- L49 ANSWER 19 OF 89 MEDLINE on STN DUPLICATE 8  
TI Properties and application of a partially purified alkaline xylanase from an alkaliphilic fungus *Aspergillus nidulans* KK-99.  
SO Bioresource technology, (2002 Oct) Vol. 85, No. 1, pp. 39-42.  
Journal code: 9889523. ISSN: 0960-8524.  
AU Taneja Kavita; Gupta Saurabh; Kuhad Ramesh Chander  
AN 2002397711 MEDLINE
- L49 ANSWER 20 OF 89 HCAPLUS COPYRIGHT 2008 ACS on STN  
TI In-situ solid-state fermentation and utilization of xylanase in pulp bleaching  
SO Abstracts of Papers, 223rd ACS National Meeting, Orlando, FL, United States, April 7-11, 2002 (2002), CELL-039 Publisher: American Chemical Society, Washington, D. C.  
CODEN: 69CKQP  
AU Szendefy, Judit; Szakacs, George; Christov, Lew  
AN 2002:186449 HCAPLUS
- L49 ANSWER 21 OF 89 HCAPLUS COPYRIGHT 2008 ACS on STN  
TI Use of biological agents for pulping and bleaching in pulp and paper industry  
SO IPPTA (2002), 14(4), 29-31  
CODEN: IPPTDO; ISSN: 0379-5462  
AU Sapre, M.; Jha, H.; Patil, M. B.; Dhake, J. D.  
AN 2003:27382 HCAPLUS  
DN 138:370507
- L49 ANSWER 22 OF 89 LIFESCI COPYRIGHT 2008 CSA on STN  
TI Engineering of multiple arginines into the Ser/Thr surface of *Trichoderma reesei* endo-1,4-[beta]-xylanase II increases the thermotolerance and shifts the pH optimum towards alkaline pH  
SO Protein Engineering, (20020200) vol. 15, no. 2, 141.  
ISSN: 0269-2139.  
AU Turunen, Ossi; Vuorio, Mika; Fenel, Fred; Leisola, Matti

AN 2008:69021 LIFESCI

L49 ANSWER 23 OF 89 HCPLUS COPYRIGHT 2008 ACS on STN  
TI Recombinant Bacillus and fermentation process for preparation of  
thermostable alkali-stable xylanase

SO Indian, 35 pp.

CODEN: INXXAP

IN Gupta, Naveen; Ghosh, Amit

AN 2004:869800 HCPLUS

DN 141:313041

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IN 185709	A1	20010414	IN 1996-DE2308	19961025

L49 ANSWER 24 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on  
STN

TI Directed evolution to produce an alkalophilic variant from a  
Neocallimastix patriciarum xylanase

SO CANADIAN JOURNAL OF MICROBIOLOGY, (DEC 2001) Vol. 47, No. 12, pp.  
1088-1094.

ISSN: 0008-4166.

AU Chen Y L; Tang T Y; Cheng K J (Reprint)

AN 2002:32328 SCISEARCH

L49 ANSWER 25 OF 89 WPIDS COPYRIGHT 2008 THOMSON REUTERS on STN

TI Non naturally occurring XA protein with enhanced thermophilicity  
, alkalophilicity or thermostability relative to the naturally  
occurring Bacillus circulans xylanase is used in an agent for  
bleaching pulp

PI WO 2000068396 A2 20001116 (200066)\* EN 114[20]

  RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL  
  OA PT SD SE SL SZ TZ UG ZW  
  W: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ  
  EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK  
  LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI  
  SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

AU 2000051327 A 20001121 (200112) EN

EP 1179075 A2 20020213 (200219) EN

  R: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT  
  RO SE SI

JP 2002543791 W 20021224 (200313) JA 156

IN BENTZIEN J M

L49 ANSWER 26 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on  
STN

TI Purification and partial characterization of a basic xylanase produced by  
thermoalkaliphilic Bacillus sp strain TAR-1

SO BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY, (APR 2000) Vol. 64, No. 4, pp.  
887-890.

ISSN: 0916-8451.

AU Takahashi H; Nakai R; Nakamura S (Reprint)

AN 2000:340808 SCISEARCH

L49 ANSWER 27 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on  
STN DUPLICATE 9

TI Enhanced production, purification and characterisation of a novel  
cellulase-poor thermostable, alkalitolerant  
xylanase from Bacillus circulans AB 16

SO PROCESS BIOCHEMISTRY, (MAR 2000) Vol. 35, No. 8, pp. 849-856.

ISSN: 0032-9592.

AU Dhillon A; Gupta J K; Khanna S (Reprint)

AN 2000:266722 SCISEARCH

- L49 ANSWER 28 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on STN  
TI Production and characterization of thermostable xylanase and pectinase from *Streptomyces* sp QG-11-3  
SO JOURNAL OF INDUSTRIAL MICROBIOLOGY & BIOTECHNOLOGY, (JUN 2000) Vol. 24, No. 6, pp. 396-402.  
ISSN: 1367-5435.  
AU Beg Q K (Reprint); Bhushan B; Kapoor M; Hoondal G S  
AN 2000:616369 SCISEARCH
- L49 ANSWER 29 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on STN DUPLICATE 10  
TI Isolation, purification and characterization of xylanase from *Staphylococcus* sp. SG-13 and its application in biobleaching of kraft pulp  
SO JOURNAL OF APPLIED MICROBIOLOGY, (FEB 2000) Vol. 88, No. 2, pp. 325-334.  
ISSN: 1364-5072.  
AU Gupta S; Bhushan B; Hoondal G S (Reprint)  
AN 2000:224873 SCISEARCH
- L49 ANSWER 30 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on STN DUPLICATE 11  
TI Production of a thermostable alkali-tolerant xylanase from *Bacillus circulans* AB 16 grown on wheat straw  
SO WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, (JUN 2000) Vol. 16, No. 4, pp. 325-327.  
ISSN: 0959-3993.  
AU Dhillon A; Khanna S (Reprint)  
AN 2000:698100 SCISEARCH
- L49 ANSWER 31 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on STN DUPLICATE 12  
TI A cellulase-poor, thermostable, alkalitolerant xylanase produced by *Bacillus circulans* AB 16 grown on rice straw and its application in biobleaching of eucalyptus pulp  
SO BIORESOURCE TECHNOLOGY, (JUL 2000) Vol. 73, No. 3, pp. 273-277.  
ISSN: 0960-8524.  
AU Dhillon A; Gupta J K; Jauhari B M; Khanna S (Reprint)  
AN 2000:287403 SCISEARCH
- L49 ANSWER 32 OF 89 HCAPLUS COPYRIGHT 2008 ACS on STN  
TI A new record of a bacterial alkaline thermostable xylanase from an Egyptian soil  
SO Egyptian Journal of Biotechnology (2000), 7, 193-205  
CODEN: EJBIF7; ISSN: 1110-6093  
AU Shabeb, M. S. A.  
AN 2000:194949 HCAPLUS  
DN 133:2286
- L49 ANSWER 33 OF 89 SCISEARCH COPYRIGHT (c) 2008 The Thomson Corporation on STN  
TI Xylanase activity and thermostratification during the thermogenic phase of industrial composting in aerated trenches  
SO WASTE MANAGEMENT & RESEARCH, (APR 2000) Vol. 18, No. 2, pp. 174-183.  
ISSN: 0734-242X.  
AU Lyon P F; Beffa T (Reprint); Fischer J L; Aragno M  
AN 2000:271416 SCISEARCH
- L49 ANSWER 34 OF 89 MEDLINE on STN DUPLICATE 13  
TI Homology model of a novel xylanase: molecular basis for high-thermostability and alkaline stability.  
SO Journal of biomolecular structure & dynamics, (2000 Aug) Vol. 18, No. 1,

- pp. 137-44.  
Journal code: 8404176. ISSN: 0739-1102.
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FULL ESTIMATED COST                           314.08       314.71
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STN INTERNATIONAL LOGOFF AT 09:44:19 ON 09 DEC 2008